



RENTAL EQUIPMENT COMPANY API INITIATIVE

ORGANIZATION

Our Client is the premiere rental equipment company in North America, which offers a highly diversified product mix including general construction equipment, industrial tools, pumps, power generation, climate control & HVAC, shoring solutions, scaffolding, and remediation & restoration equipment.

CHALLENGE

Our Client uses IBM iSeries for hosting their business applications and database. Most of the business logic for reservations, exchanges, returns, and contracts are written in RPG programs and the database used for business applications is Db2.

As part of the digital transformation initiative, our client opted to implement an Application Programming Interface (API) Management Solution. The solution required a robust architecture to address their need, while leveraging the existing iSeries legacy platform as their business solution.

Our client partnered with XTIVIA to provide the technical guidance and solution for their digital transformation initiative.

BY THE NUMBERS:

- 550,00 Units in Rental Fleet
- 900 Locations in the US and Canada
- 15,000 Passionate Employees

KEYWORDS

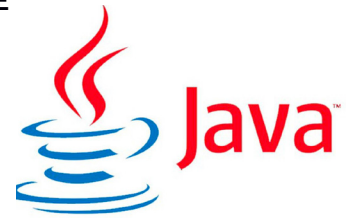
Java, Mulesoft, API, Db2, RPG

SOFTWARE

Java, Mulesoft, API, Db2, RPG

HARDWARE

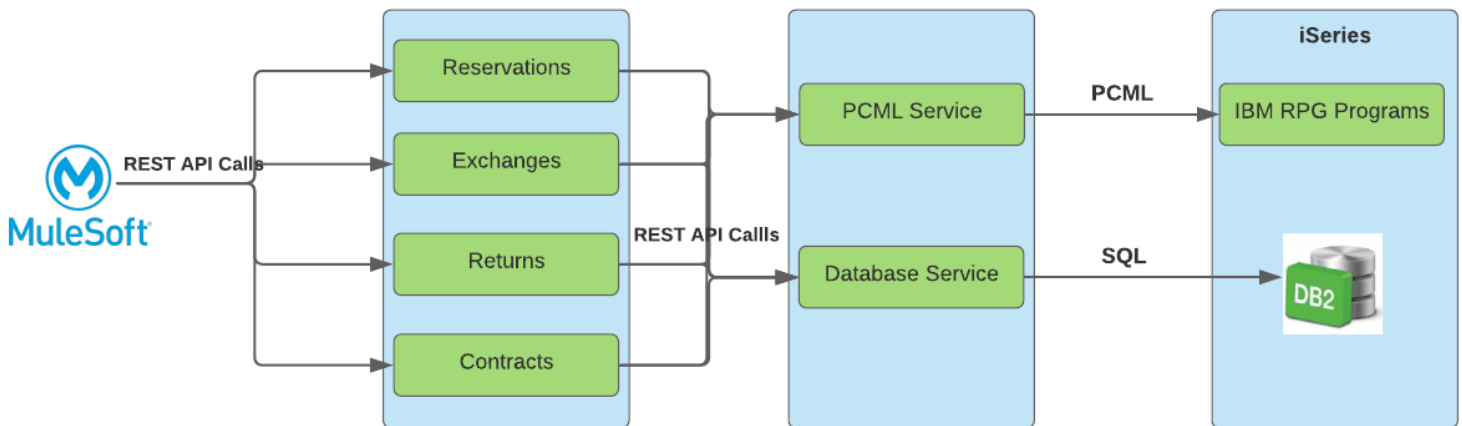
iSeries, Db2



TECHNICAL SOLUTION

XTIVIA partnered with their client to create an API management solution that provides the best services in the industry by connecting partners and customers.

Proposed Architecture



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TECHNICAL SOLUTION (CONTINUED)

XTIVIA reviewed and analyzed the available artifacts and gathered the information on the as-is architecture and proposed the following solution:

- Implement the PCML Service layer between the front-end API services and back-end iSeries business services.
- Implement the Data Service layer between the front-end API services and back-end iSeries DB2 services.

BUSINESS RESULT

XTIVIA's proposed architecture and implementation helped our client to realize their digital transformation initiative quickly while leveraging the existing business applications. Our client is able to call the back-end business logic using the standard REST protocols, which help connect internal and external clients seamlessly.

XTIVIA OVERVIEW

XTIVIA is a proven technology integration and innovation company known for delivering leading-edge technology solutions to our clients' specific requirements, regardless of project complexity. We bring next-level business operations to reality through Application Development, Business Intelligence, Data Warehousing, Database Support & Management, Enterprise Information Management, Digital Experience Solutions and Enterprise Resource Planning. Our success stems from a demonstrated ability to deliver deep expertise via professional services, empowering clients to leverage their chosen technology successfully, competitively and profitably. XTIVIA has offices in Colorado, New York, New Jersey, Missouri, Texas, Virginia, and India. www.xtivia.com